

Bi-axial real wave output accelerometer



Features

- 4~20mA output
- Rugged design
- High sensitivity
- Hermetic seal
- Case isolated
- ESD protection
- Plug and play application
- EMI / RFI shielded

Dynamic

Sensitivity, $\pm 10\%$, 24°C.....	4 mA/g
Acceleration range	2 g RMS
Amplitude nonlinearity.....	1%
Frequency response $\pm 5\%$	0 - 100 Hz
Resonance frequency.....	2 kHz
Transverse sensitivity, max.....	3% of axial
Temperature response(-40 to +85°C, REF. 24°C):	
Thermal bias shift.....	$\pm 2.5\%$ FSO
Thermal sensitivity shift.....	$\pm 3\%$

Electrical

Power requirement: voltage source	12 - 30 VDC
Electrical noise, Broadband Spectral(g):	
0 Hz to 100 Hz.....	2 μ A
Resolution.....	0.2mg
Output impedance, max.....	100 Ω
Insulation (@100Vdc).....	>100 M Ω
Bias Current $\pm 5\%$	12 mA
Warm up time.....	100ms
Grounding.....	Case isolated

Environmental

Temperature range.....	-45 to 85°C
Vibration limit.....	100 g peak
Shock limit.....	1,000 g peak
Electromagnetic sensitivity, equiv g, max	70 μ g/gauss
Sealing	IP67

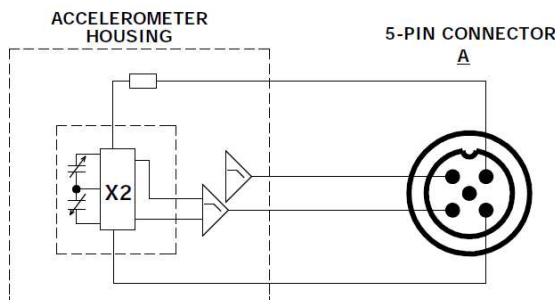
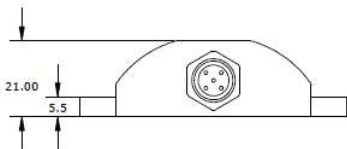
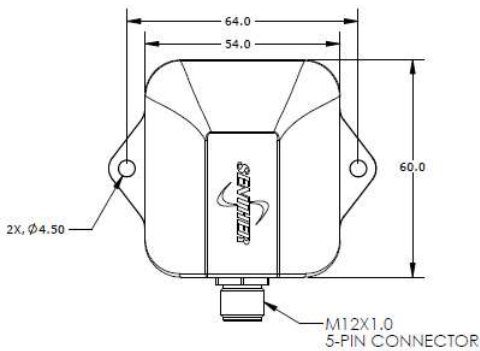
Physical

Sensing element design.....	VC
Weight.....	130 grams
Case material.....	Anodized aluminum
Mounting.....	M4X2
Output connector.....	5 pin, M12
Mating cable.....	Senther: 18A

Accessories

- M4X4 mounting screw(or customers specified)
- Calibration certificate

Note: Frequency response limits spectral and noise values are typical



Connector view	Cable view
Pin1=Ex+	Brown
Pin2=Out(X)	Blue
Pin3=Out(Y)	White
Pin4=Ex-	Black
Pin5=NA	

Ordering Information

